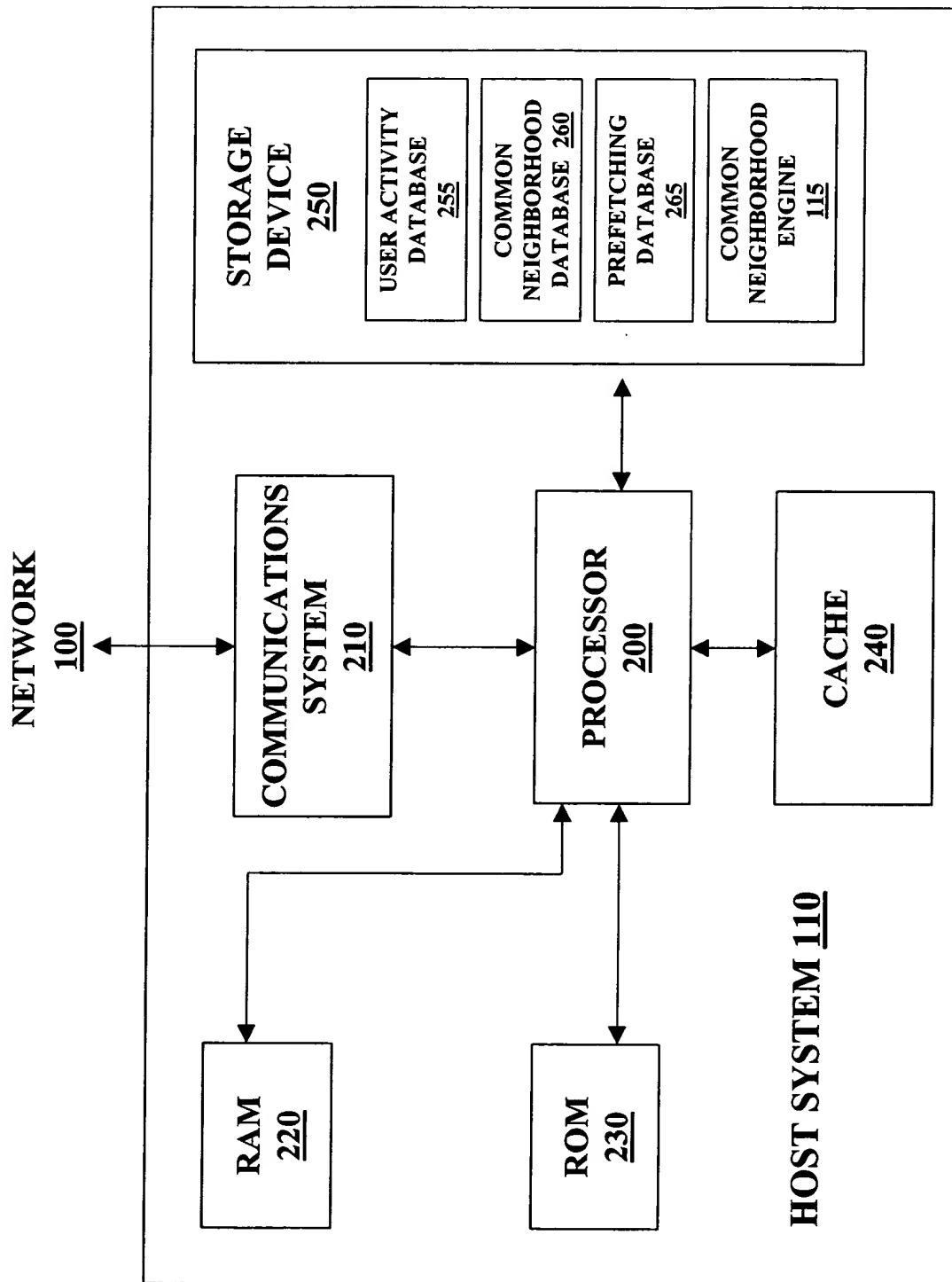


Fig. 1



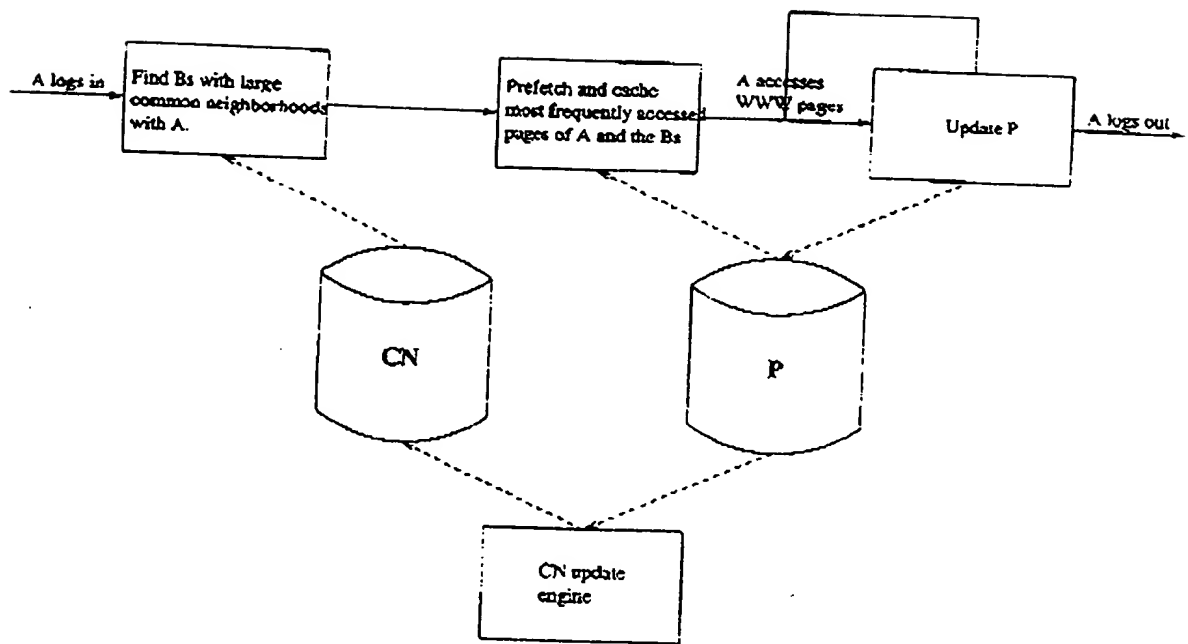


Fig. 3A

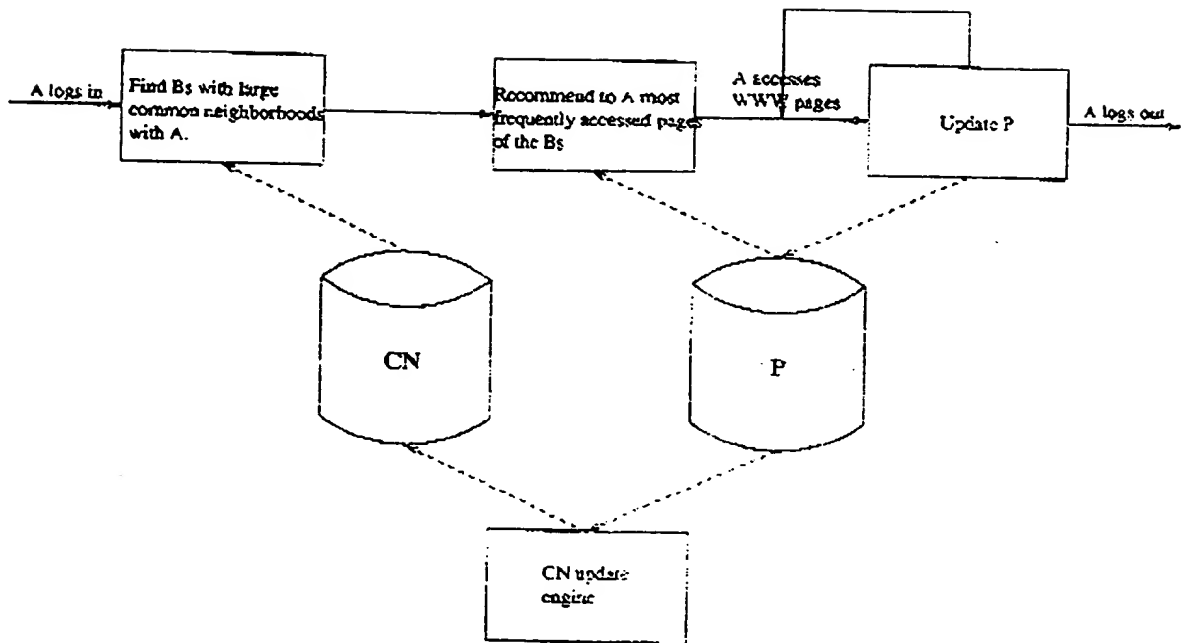


Fig. 3B

| User Name | Activity | Number of Occurrences |
|-------------|------------------------|-----------------------|
| Sue Anthony | Link to Leadership.com | 50 |
| John Brown | Link to CivilWar.com | 100 |
| John Brown | Link to Leadership.com | 100 |
| Robert Lee | Link to CivilWar.com | 50 |
| Robert Lee | Link to Leadership.com | 100 |
| Abe Lincoln | Link to CivilWar.com | 75 |
| Abe Lincoln | Link to Leadership.com | 75 |

Fig. 4A

420 425 430 435 260

| User Name | Common Neighbor | Common Activity | Number of Occurrences |
|------------|-----------------|------------------------|-----------------------|
| John Brown | Abe Lincoln | Link to CivilWar.com | 60 |
| John Brown | Robert Lee | Link to CivilWar.com | 10 |
| John Brown | Sue Anthony | Link to Leadership.com | 25 |
| Robert Lee | Abe Lincoln | Link to Leadership.com | 50 |

Fig. 4B

480

265

455

| User Name | Prefetched Data Location |
|-------------|----------------------------------|
| Sue Anthony | Cache location of CivilWar.com |
| John Brown | Cache location of Leadership.com |
| Abe Lincoln | Cache location of CivilWar.com |

Fig. 4C

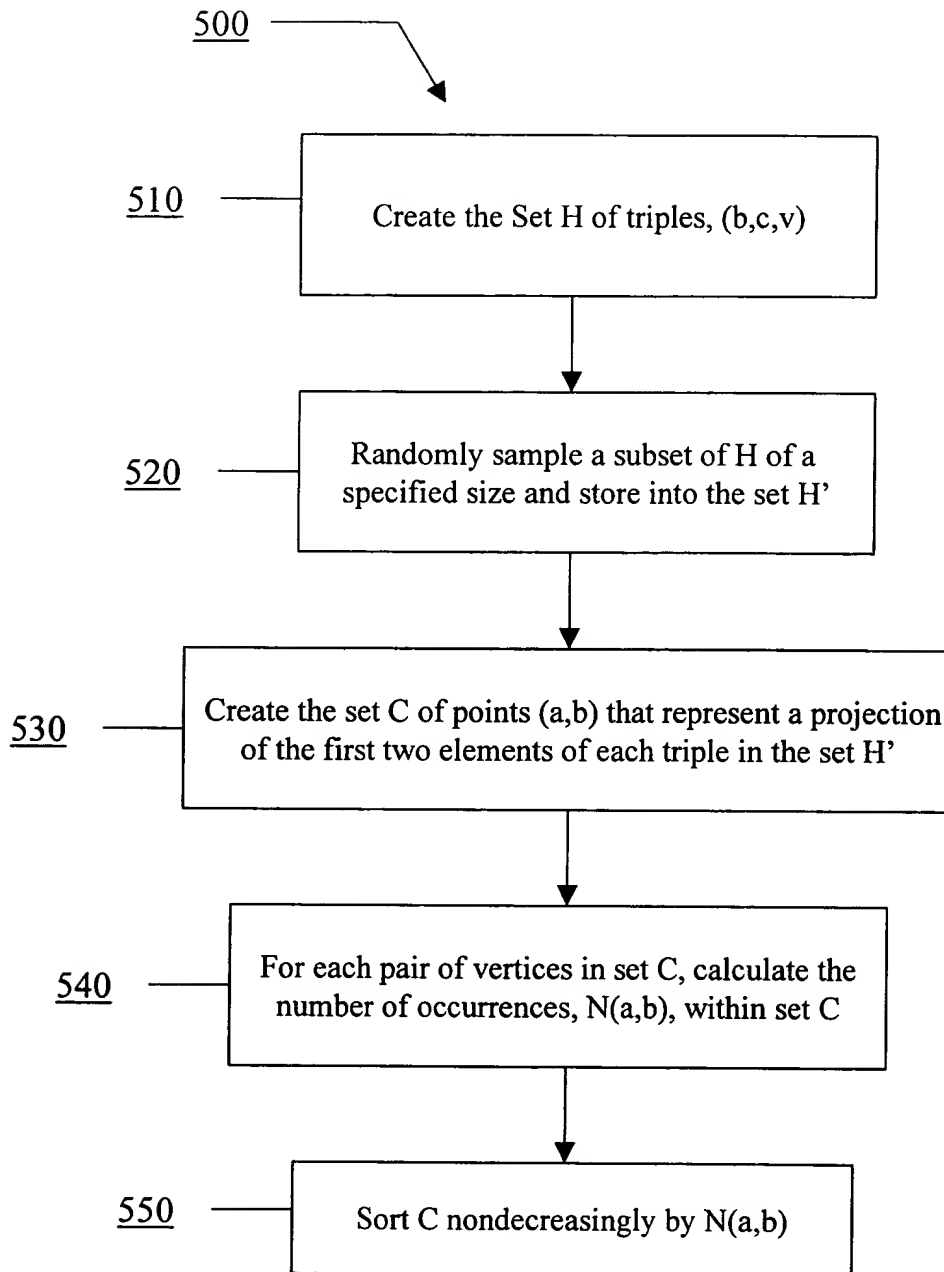


Fig 5

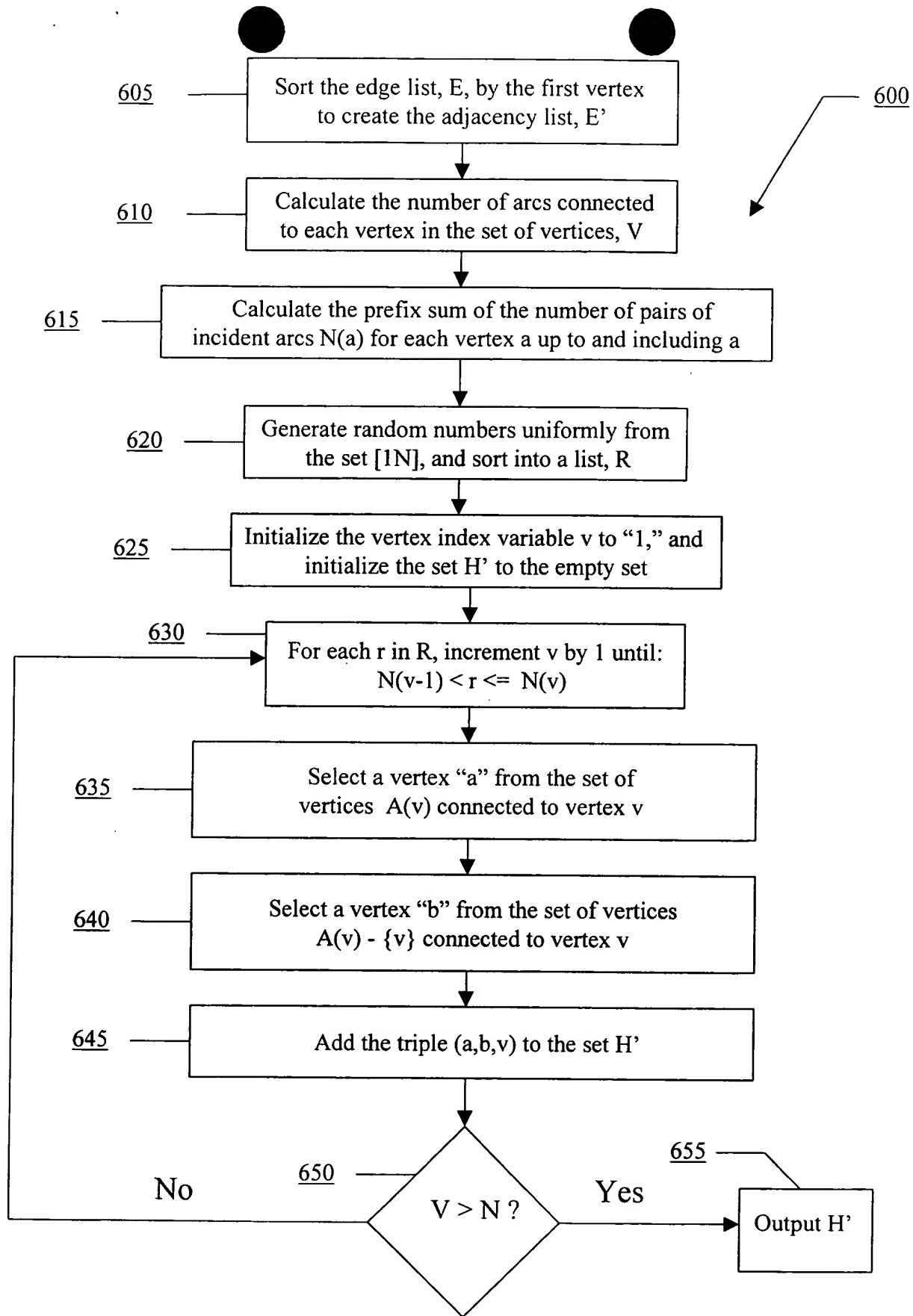


Fig 6

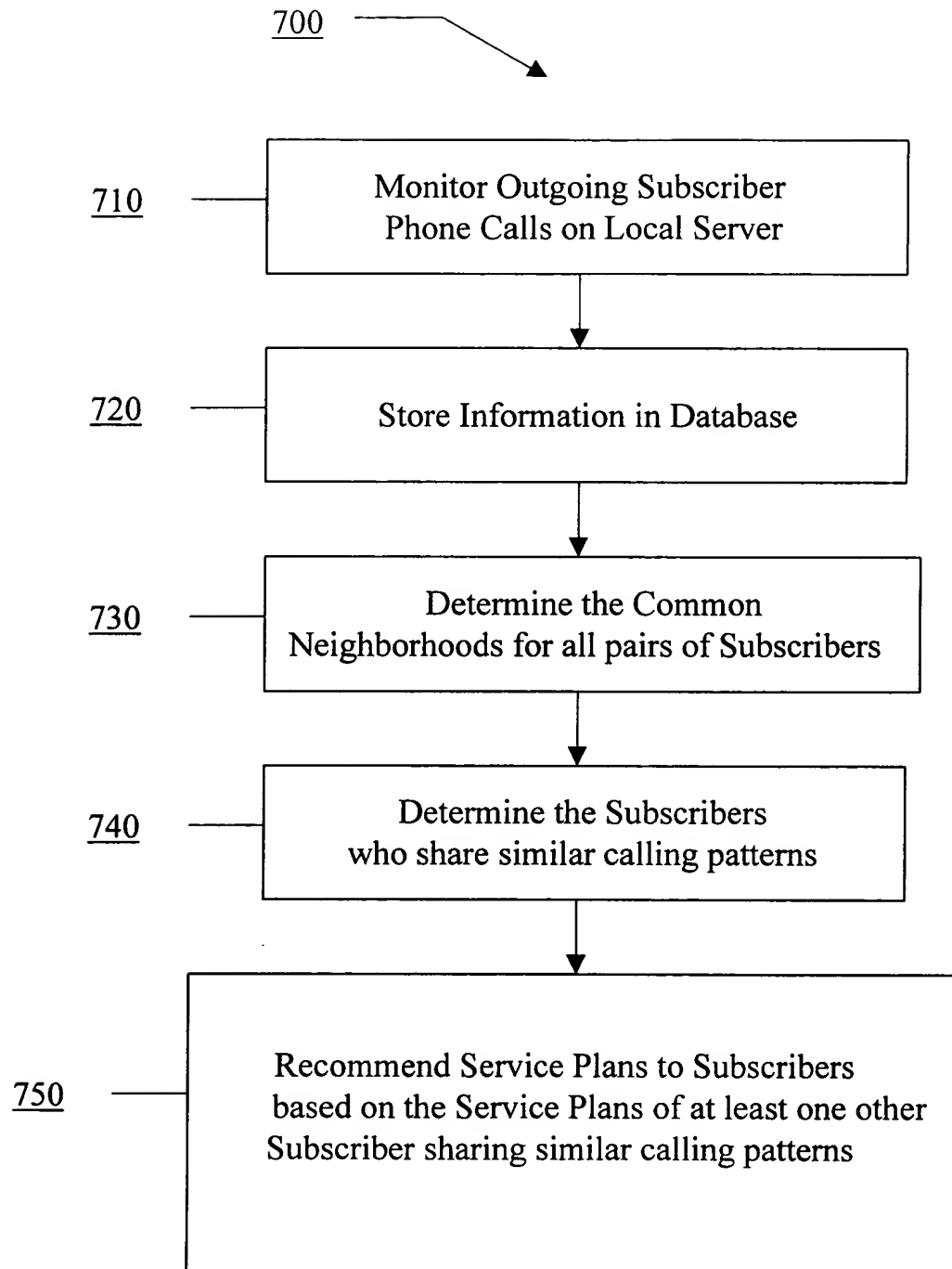


Fig 7

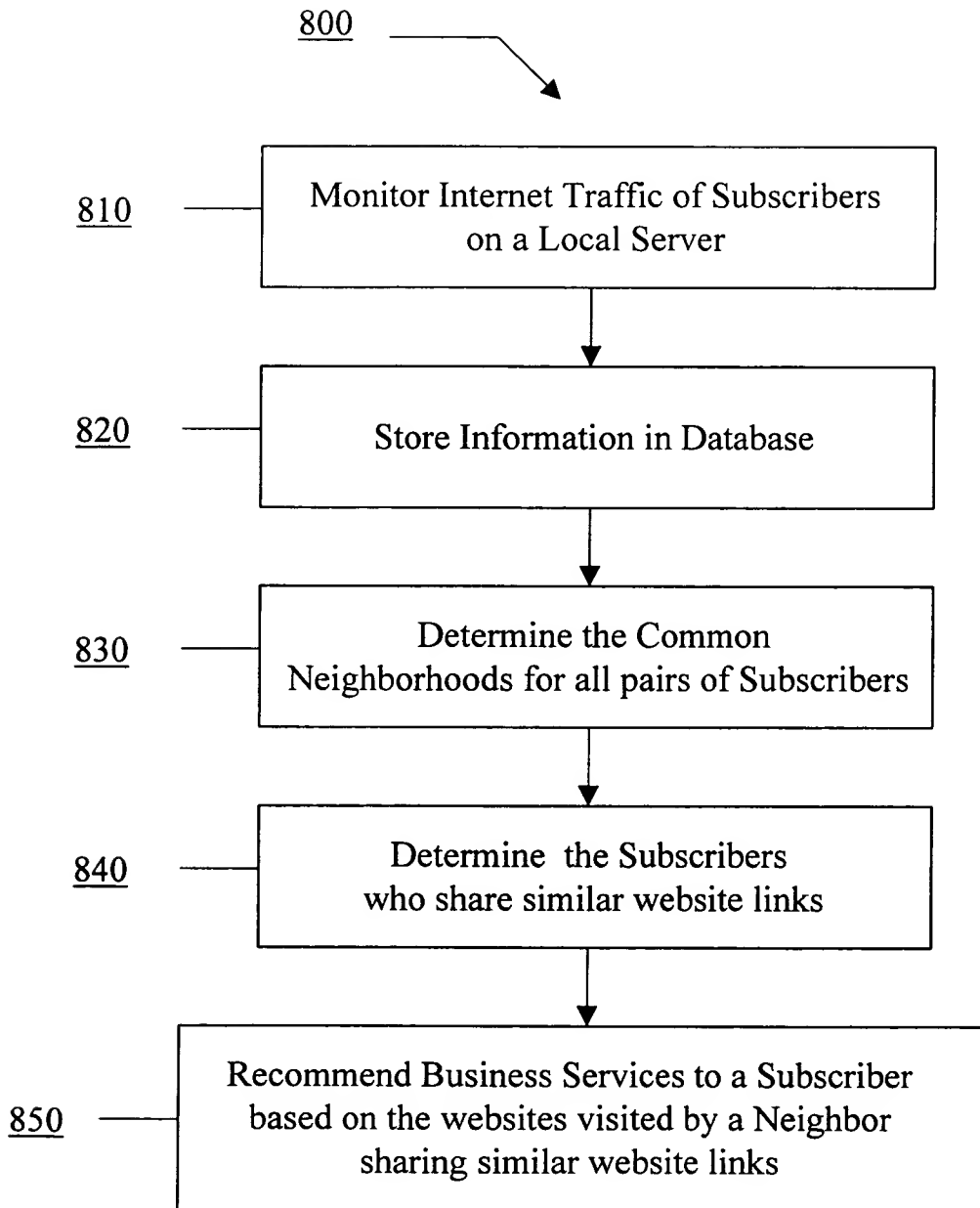


Fig 8

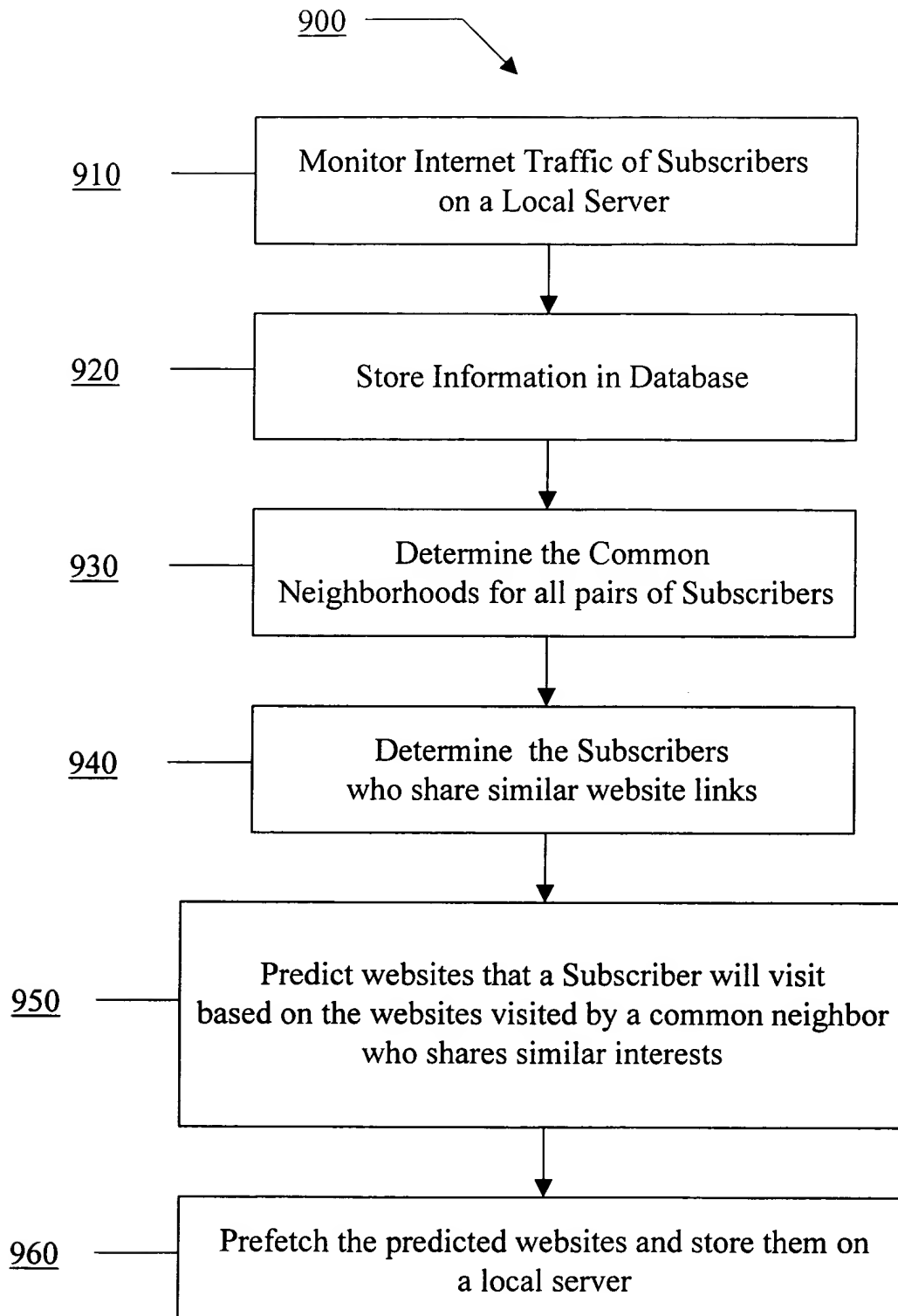


Fig 9

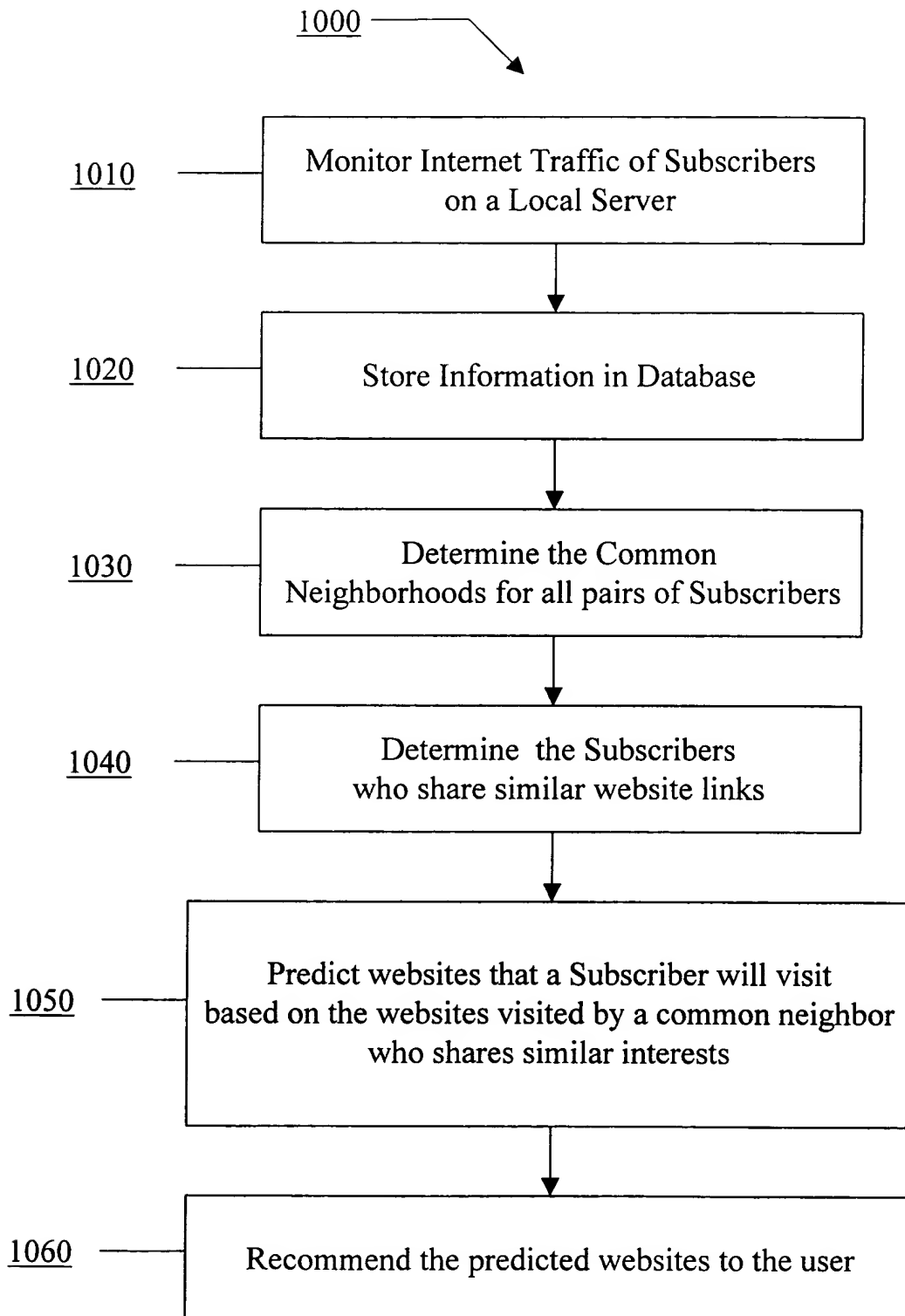


Fig 10

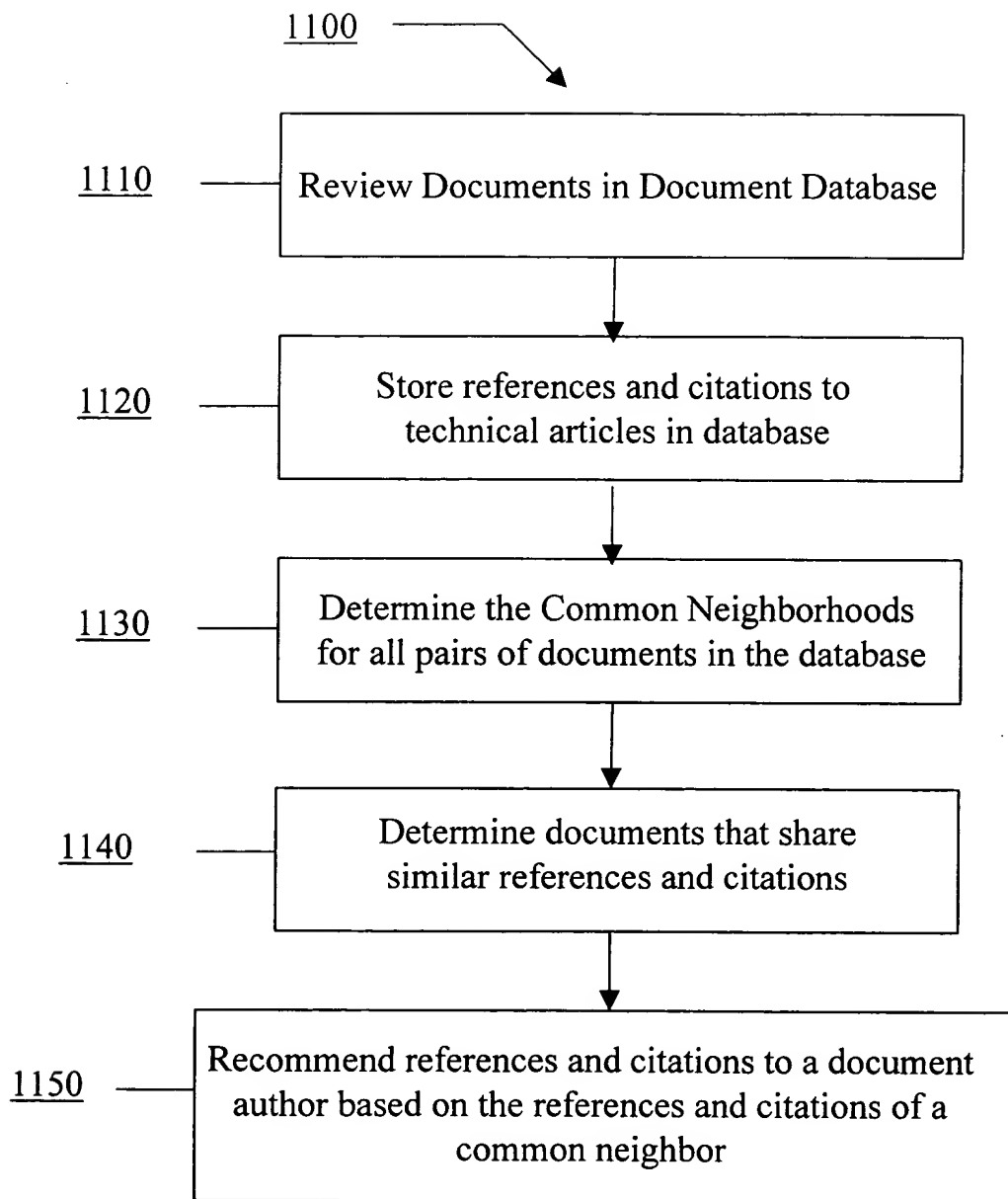


Fig 11

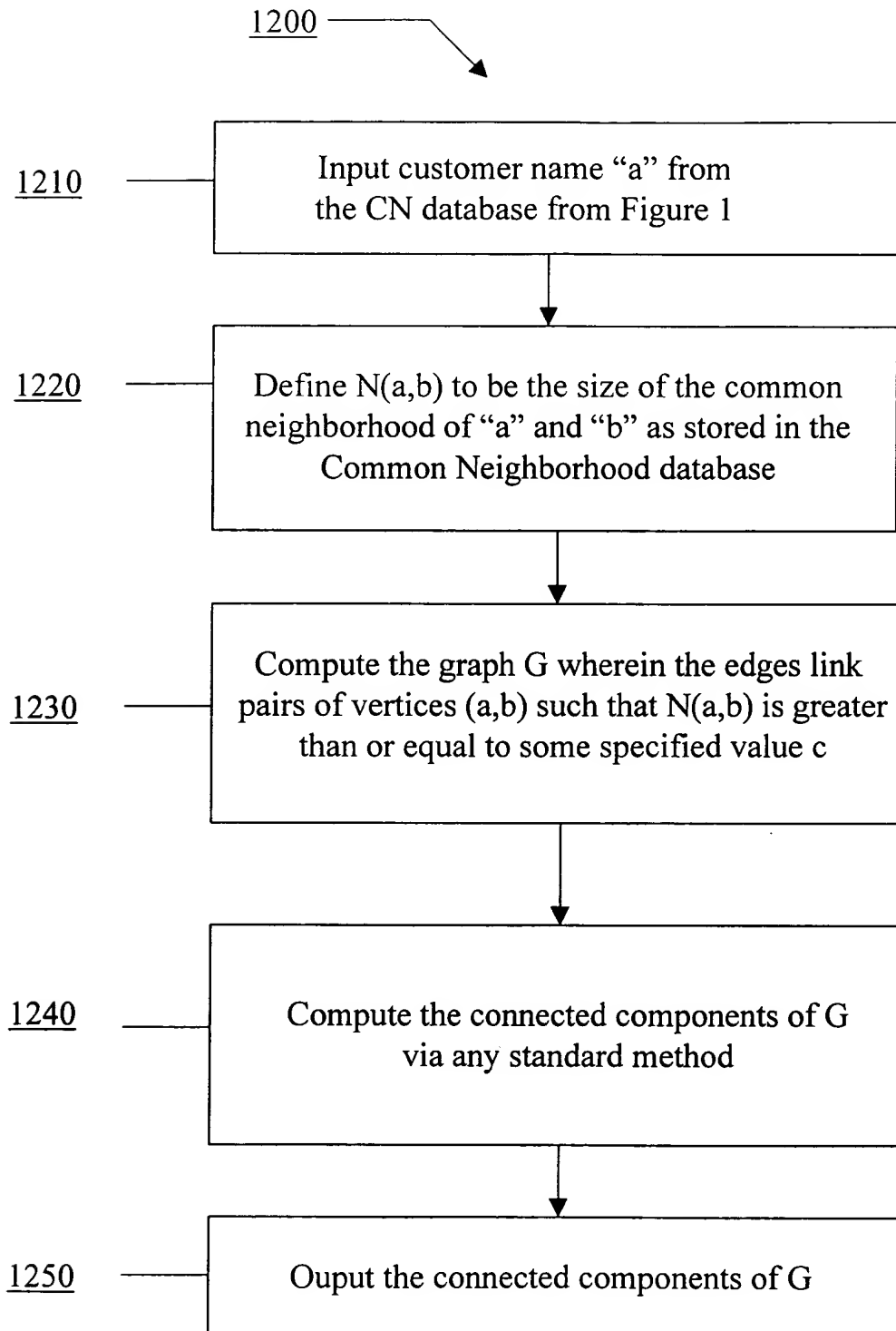


Fig 12